

SPECIFICATIONS

REV.	BY	DATE	PART NO.
K	BT	11-25-98	LCP8-10

ELECTRICAL

RESISTANCE RANGE (OHMS)-----	1K,2K,5K,10K,20K,50K
RESISTANCE TOLERANCE-----	±15%
LINEARITY,INDEPENDENT-----	±2.0%
RESOLUTION-----	ESSENTIALLY INFINITE
ELECTRICAL STROKE-----	.433±.020
OUTPUT SMOOTHNESS-----	0.1% AGAINST INPUT VOLTAGE
POWER RATING-----	0.2WATT
INSULATION RESISTANCE-----	1000 MEGOHMS @ 500 VDC
DIELECTRIC STRENGTH-----	500 VAC MIN.
FRICTION-----	30 GRAMS

MECHANICAL

MECHANICAL STROKE-----	.472
STOP STRENGTH-----	APPROX. 2 POUNDS
LIFE EXPECTANCY-----	20,000,000 STROKES
WEIGHT APPROX.-----	0.2 OZS.
MARKINGS-----	ETI SYSTEMS P/N LCP8-10 RESISTANCE
SPRING RETURN FORCE WHEN APPLICABLE-----	RETRACTED, APPROX. 230GRAMS EXTENDED, APPROX. 57GRAMS

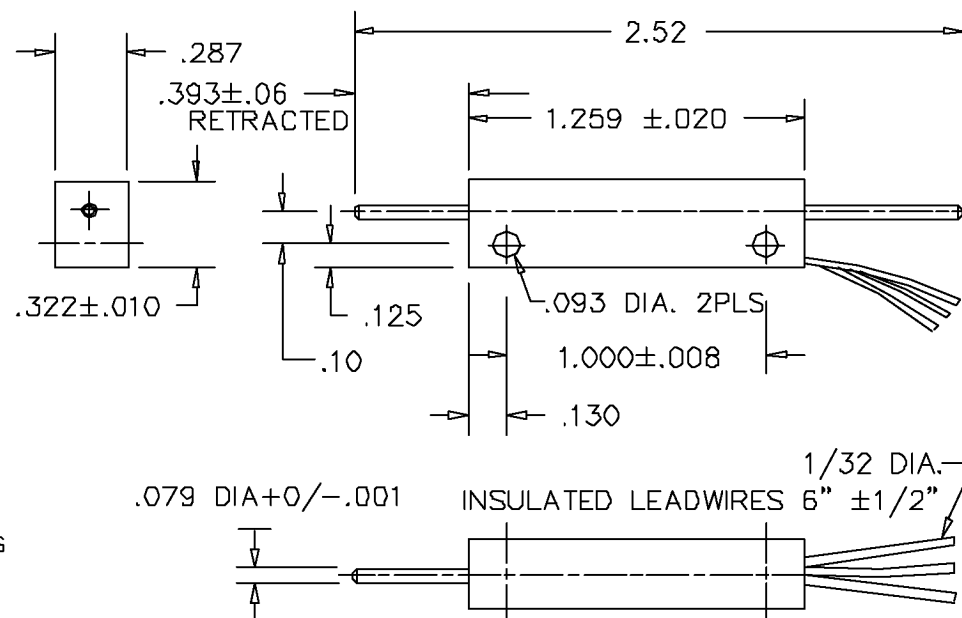
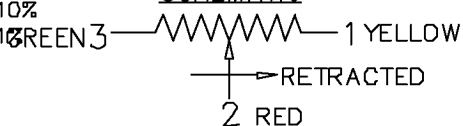
ENVIRONMENTAL

SHOCK-----	50G, 11ms
VIBRATION-----	10Hz TO 2000Hz 15G
OPERATING TEMPERATURE RANGE-----	-30° C TO +105° C
TEMPERATURE COEFFICIENT-----	±400 PPM /°C

OPTIONS

RESISTANCE TOLERANCE-----	±10%
LINEARITY,PRECISION-----	±1%
SPECIAL MACHINED SHAFT	

SCHEMATIC



MODEL NO'S.

SHAFT STYLES

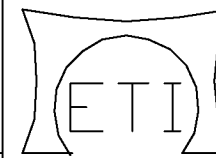
LCP8P-10	(P)		PLAIN
LCP8T-10	(T)		THREADED 2-56 UNC-2A
LCP8C-10	(C)		CHAMFERED
LCP8S-10	(S)		SPRING RETURN (INTERNAL)

SCALE	NONE
DATE	12--76
BY	

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TITLE

LINEAR MOTION
POTENTIOMETER



ETI SYSTEMS CARLSBAD CALIFORNIA

PART NO.

LCP8-10

TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"
XXX = +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

APPRV'D BT
CODE IDENT:
19477